

1 **(BSP December 2, 2002)**

2 **Polyester Concrete**

3 The Contractor shall use polyester concrete for the total concrete overlay
4 operation. Use of latex modified concrete (LMC), fly ash modified concrete (FMC)
5 or microsilica modified concrete (MMC) will not be allowed.
6

7 Polyester concrete shall consist of the following three components – polyester resin
8 binder, HMWM resin, and combined aggregate, in accordance with Section 6-09.2
9 as supplemented in these Special Provisions. The Contractor shall submit the mix
10 design for the polyester concrete to the Engineer for approval. The mix design
11 shall include a recommended initiator percentage for the expected application
12 temperature. The polyester resin binder shall be approximately 12 percent by
13 weight of the dry combined aggregate. The Contractor shall not begin the trial
14 overlay of the polyester concrete, as specified in Section 6-09.3(8) as
15 supplemented in these Special Provisions, until receiving the Engineer's approval
16 of the polyester concrete mix design.